

CLINICAL NEWS CONGRESS

AMERICAN COLLEGE OF SURGEONS

Founded by Surgeons of the United States and Canada, 1913

SAN FRANCISCO, WEDNESDAY, OCTOBER 8, 1969

Arterial Hypertension In Chronic Renal Failure Helped by Nephrectomy

Bilateral nephrectomy has a beneficial effect on arterial hypertension in chronic renal failure, the *Forum on Fundamental Surgical Problems* was told Tuesday by a group from Peter Bent Brigham and Beth Israel Hospitals at Harvard Medical School.

Eighteen complete studies on six patients having bilateral nephrectomies prior to renal transplantation showed the effect does not occur immediately after surgery but rather over the next few months. It is not caused by hypovolemia from a contracted plasma volume and supporting extracellular fluid. A vasoactive substance of renal origin is postulated.

The investigation was carried out by Robert M. Zollinger, Jr., John J. Skillman, J. Robert W. Gumpert, Constantine L. Hampers, George L. Bailey, and John P. Merrill, Boston.

Antitumor substances develop in the regional lymph nodes and cell-free extracts from these nodes can convey immunity to a second group of animals challenged with tumor, investigators from Jewish Hospital and the State University of New York, Brooklyn, reported.

These Extracts Can Convey Immunity

The mechanism for suppression of tumor growth was the same for each lymph node group studied, but the phenomenon was a quantitative one with a lesser amount of the specific antitumor protein being present within the more distally placed lymph nodes, said the authors, Myron Arlen, Robert A. Forte, Bernard S. Levowitz, Joseph Scherrer, and Michael Hodenberg, Brooklyn.

In a study of the performance of autogenous vein and knitted dacron arterial grafts, a Vanderbilt University group found that the vein grafts were markedly susceptible to atheromatous lesions in the presence of hypercholesterolemia and did not perform as well as dacron grafts.

Authors of the report were Bruce L. Bolasny, Verne C. Lanier, Jr., Rachel K. Younger, and H. William Scott, Jr., Nashville.

Direct portal blood sampling in unanesthetized patients by umbilical vein cannulation confirms previous indirect evidence of serotonin release from the bowel into the portal circulation during the dumping syndrome, according to a report presented by a group of investigators from Temple University.

The authors found that following hyperosmolar glucose ingestion there was significantly

(Continued on Page 2)

President Elect Baker Feted by Washington Chapter



President Elect Joel W. Baker (far right) is enjoying himself at the reception which Washington Chapter held in his honor Monday night. The happy Seattle colleagues with Dr. Baker are (l-r) Francis E. Flaherty, Wilbur E. Watson, Sherman W. Day and Matthew H. Evoy. University of Virginia group will also fete Dr. Baker this week.

Educator Decries Emphasis on Specialization

Today's emphasis on specialization in surgical education is promoting the danger of creating a narrow expert ill-equipped to tackle complicated diagnostic problems, a British surgical leader warned Tuesday.

Sir Frank Holdsworth, consultant orthopedic surgeon, the Royal Infirmary, Sheffield, England, in delivering this year's Scudder Oration on Trauma, further cautioned that overemphasis on research for all trainees will "create frustration in the majority of young surgeons whose wish is to spend their lives in clinical practice."

The profound changes that are being introduced into surgical education must serve to produce not only surgical scientists whose main interests lie in research and extending the surgical horizon, he said, but also surgeons fully trained in judgment and with the technical ability "to perform their most important duty, the wise treatment of the sick."

Over the past few years, Sir Frank pointed

out, "there has been an increasing tendency to restrict the training of a young surgeon to the acquisition of knowledge and expertise of his specialty alone, with a fine disregard of the main principles of surgery in general. I understand that in some medical schools the student is asked to choose his specialty before he is even qualified to practice as a doctor," he said.

"Unfortunately, those who are ill or injured cannot place themselves in a neat category and conveniently present themselves to the appropriate narrowly trained specialist. A multiplicity of pathological conditions, many only remotely connected with orthopedic surgery, cause backache, and the nefarious activities of the automobile are not confined to injury of one isolated system.

"Accurate diagnosis can surely best be achieved by the surgeon whose specialized ability is acquired in addition to a reasonable knowledge of surgery in general," the British authority emphasized.

The Scudder Oration on Trauma is named for Charles Locke Scudder, famed Boston surgeon who died in 1949, and who was the initiator in 1929 of this series of orations which at first covered fractures and now include broad considerations of education and organization in the field of trauma.

INFORMATION

Telephone
626-1247

Press Representatives Here To Tell It Like It Is

Sixty-eight members of the press are covering the 55th Congress according to Sara Barr Cohen, who is in charge of the press room at the Mark Hopkins Hotel. Writers registered as of 10 A.M. Tuesday are:

William Abbott, Radio Station KFRC, San Francisco; E. Anderson, Radio Station KCBS-AM, San Francisco; Lucy Jo Atkinson, *Point of View*, Somerville, N.J.; Jerry Bishop, *Wall Street Journal*, New York City; Herbert Black, *Boston Globe*, Boston; Oliver Brown, Smith, Kline & French Laboratories, Philadelphia; Albert Cassak, *Surgical Business*, Union, N.J.; Derek Cassels, *Medical Post*, Toronto; Matt Clark, *Newsweek*, New York City; John Connors, *Medical World News*, New York City; Sylvia Covet, *Postgraduate Medicine*, Minneapolis; Larry Craig, KRON-TV-News, San Francisco; and Barbara Culliton, *Science News*, Washington, D.C.

Also registered are:

Alan Davis, American Cancer Society, New York City; Ralph Dighton, Associated Press, Los Angeles; Stephen T. Donohue, free lance, New York City; Carole Donovan, *American Journal of Nursing*, New York City; Dick Doughty, KRON-TV-News, San Francisco; George Dusheck, KQED Channel 9, San Francisco; Dorothy Errera, *Hospital Topics*, Chicago; Dennis Galloway, *Medical World News*, New York City; Bob Gillette, *Examiner*, San Francisco; Arthur Gradwohl, *California Senior Citizen News*, San Francisco; Mary Hager, *Pediatric Herald*, Mill Valley, Calif.; Duston Harvey, United Press International, San Francisco; Jim Hazelwood, *Oakland Tribune*, Oakland; Bill Hines, *Chicago Sun Times*, Washington bureau; Juanita R. Hogue, *U.S. News and World Report*, San Francisco; Ray Hutchinson, KCBS Radio, San Francisco; Fraser Kent, *The Plain Dealer*, Cleveland; Ronald Kotulak, *Chicago Tribune*, Chicago; Norman Laden, *Emergency Medicine*, San Francisco; Gobind B. Lal, *Examiner*, San Francisco; David Lawday, Reuters, San Francisco; Grant T. Lloyd, Audio-Digest Foundation, Los Angeles; Patricia McBroom, *Philadelphia Inquirer*, Philadelphia; Pat McGrady, American Cancer Society, New York City; Malcolm Manber, *Newark Evening News*, Newark; Jack Martin, *JAMA*, Chicago; Joseph P. Miale, *AORN Journal*, New Rochelle, N.Y.; Julie Miale, *AO-RN Journal*, New York City; Spencer Michels, KCRA-TV, Sacramento; Samuel Moffat, San Francisco; Fred Morris, *OR Reporter*, New York City; Harry Nelson, *Los Angeles Times*, Los Angeles; Dr. Dermot O'Sullivan, *Chemical Engineering News*, San Francisco; Sally G.

Peevey, International Cancer Congress, Houston; Dave Perlman, *San Francisco Chronicle*, San Francisco; John H. Phillips, *Nations Hospital*, New York City; Jack Pickering, Publishers-Hall Syndicate, Detroit; Sandra Pinto, M. D. Anderson Hospital, Houston; Judy Randall, *Washington Star*, Washington, D.C.; Ron Robertson, KFRC Radio, San Francisco; Dr. John H. Rosenow, *Modern Medicine*, Minneapolis; Russell Roth, *Modern Medicine*, Minneapolis; Harold Schmeck, *New York Times*, Washington, D.C.; Dr. Alan Scott, International Cancer Congress, Houston; Bernard Seeman, *Internist Observer*, New York City; Bernice Shaw, *RN Magazine*, Oradell, N.J.; Louis Siegel, National Science Network, Mt. Vernon, N.Y.; Marsha Slavin, *JAMA*, Chicago; Arthur J. Snider, *Chicago Daily News*, Chicago; Wallace Waterfall, *Medical Tribune*, New York City; Jo Weekley, International Medical News Service, Washington, D.C.; Doug Willis, Associated Press, San Francisco; Alan Wright, *AMA Audio News*, Chicago; U. H. Yates, *Medical World News*, Chicago; and Leonard S. Zahn, Great Neck, N.Y.

Sara Honored by Friends



Sara with Len (left) and Art

Sara Barr Cohen, publicity director of the College, was honored yesterday at the science writers' luncheon at the Fairmont Hotel by some 50 science writers and medical communicators covering the Congress.

Tribute was paid to Sara for her professional skills in the operation of the College's press room for the past 18 years. Her methods have been widely copied by other professional organizations.

Miss Cohen was presented with a gift and a volume of testimonial letters written by medical journalists from across the nation.

Sara inaugurated a system of medical news reporting whereby the surgeons, prior to their appearance on the official program, are brought into the press room for an explanation to the media representatives of their presentations, and for a question-and-answer session. This system has insured the accuracy of reports emanating from College meetings, and has led to a sustained, excellent rapport between surgeons and the medical press.

NEPHRECTOMY HELPS

(Continued from Page 1)

greater serotonin increase in portal venous platelet-rich plasma of postgastrectomy patients than in patients with normal pyloric sphincter mechanism. This change was reflected in small but consistent peripheral venous serotonin increases.

The study was carried out by Frederick A. Reichle, M. Prince Brigham, Rose Marie Reichle, and George P. Rosemond, Philadelphia.

In a study of the basal and histalog-stimulated gastric mucus secretion in humans, a considerable difference was found from that of the dog.

Associated with the rise in acid secretion in the human were three significant findings: (1) a 242 percent rise in mucus output; (2) a change in the biochemical composition of mucus with a fall in the carbohydrate use diagonal protein ratio, a marked fall in hexosamines and sialic acid and a lesser fall in fucose and hexoses; and (3) the acid mucopolysaccharide moiety of carbohydrate was at least 98 percent resistant to enzyme digestion both in the basal and histalog-stimulated states.

In the dog there was an increase instead of decrease in the carbohydrate diagonal protein ratio. Furthermore in the dog not all the acid mucopolysaccharide is enzyme resistant. The authors, Leslie Wise and Walter F. Ballinger II, of Washington University, St. Louis, stressed the danger of equating results obtained from an animal species to man.

In a study of tissue distribution of toluidine blue, a group from the University of Michigan and the Veterans Administration Hospital, Ann Arbor, found that concentrations in the parathyroid were roughly 10 times as great as the blood and 2 to 5 times greater than the thyroid. Parathyroid diagonal thyroid ratios were greater at the end of the infusion than an hour later.

Results suggest to the authors, S. Martin Lindenauer, Jerome S. Schultz, William Self, and Walter Di Giulio that a gamma emitting analog of toluidine blue can be adapted as an agent for parathyroid scintiscanning.

A paper describing the application of the vibrating reed electrometer and ionization chamber to the oxidative metabolism of human surgical biopsy specimens and in predicting the viability of allografts was presented by Warren D. Davidson, Thomas C. Moore, Richard J. Glasscock, and James C. Thompson, of the Harbor General Hospital, Torrance, Calif., and the University of California, Los Angeles.

Registration Sets Record 16,355

By 5 p.m. Tuesday, registration at the Clinical Congress reached an all-time high of 16,355. This bettered by almost 400 persons the previous high of 15,988 set (once again) in San Francisco three years ago. Of this total, 8,959 registrants were physicians. Wives, news media representatives, exhibitors, and similiar Congress participants comprise the difference between that figure and the overall total.

CLINICAL CONGRESS NEWS, VOL. 20, No. 3

Published Daily, Oct. 6-10, 1969
By American College of Surgeons

STAFF: Laura Louise Kuhl, Editor
Robert J. Beran, Assistant Editor
Kathleen Smith, Kay Bosshart

OFFICE: Emerald Room, The Mark Hopkins Hotel
San Francisco
Phone: 391-4896

President Nixon, Governor Reagan Send Greetings

President Richard M. Nixon has sent the following letter saluting the 55th annual Clinical Congress:

"Cordial greetings to the Fellows of the American College of Surgeons.

"Your profession demands the ultimate in dedication, skill and scientific knowledge. It also promises the ultimate of rewards: the privilege of saving human life and serving the health and well-being of your fellowman.

"For your central role in medical achievement and in the advancement of health programs of our people, I salute you. And I look forward with confidence to your future contributions, and to the continued success that promises to come from your deliberations at this 55th Annual Clinical Congress."

In a telegram addressed to Dr. Preston A. Wade, College President, the Governor of California, Ronald Reagan, said:

"It is indeed a pleasure for Nancy and myself to send greetings and a warm welcome to San Francisco to all of the members and guests of the American College of Surgeons. On behalf of all Californians we salute you as individuals, and collectively, for the many amazing and imaginative breakthroughs in surgical techniques you have developed in recent years, which are affording comfort and a productive life for your fellow man. Best wishes for a most productive conference and the enjoyment of pleasurable interludes during your visit to our beautiful city by the Bay. Sincerely, Ronald Reagan, Governor."

Dr. North Receives Safety Award



The Director Thanks The President

John Paul North, retiring director of the College, was honored Monday evening by the National Safety Council in being named recipient of that organization's 1969 Surgeons' Award for Distinguished Service to Safety. Council President Howard Pyle made the presentation at the annual dinner of the Committee on Trauma.

The Surgeons' Award is given annually to honor surgeons or surgical organizations for significant contributions to the prevention and treatment of accidental injuries.

A member of the Trauma Committee of the College, Dr. North has worked to improve ambulance service and emergency treatment for victims of automobile accidents for more than 15 years. Because of this interest, he represented the College on the President's Committee for Traffic Safety, and served as chairman of the College's Subcommittee on Traffic Safety.

Prior to his appointment to the director's post in the College, Dr. North was a professor of clinical surgery at the Southwestern Medical School of the University of Texas. He has taught, also, on both the undergraduate and graduate levels at the University of Pennsylvania.

During World War II, Dr. North served as Chief of Surgical Services for the Army Medical Corps.

Roswell Parkers

The Roswell Park Surgical Society will meet for luncheon at 12 noon today in the Pacific Heights Room at the Jack Tar Hotel.

Dartmouth

Dartmouth Affiliated Hospitals alumni will reunite for cocktails from 6 to 8 Wednesday in the Chart Room at the Sir Francis Drake. Walter Crandell, Hanover, N.H., told this paper about this event.

P. & S. and Presbyterians

All alumni, faculty and wives from Columbia U. College of Physicians and Surgeons and Presbyterian Hospital, New York, are invited to have cocktails in the Georgian Room, St. Francis Hotel, today, 6 to 8.

Cleveland Clinic

According to invitation, Cleveland Clinic Foundation will have a reception today from 6 to 7:30 in the Florentine Room at the Fairmont. All former fellows of the Foundation and their wives are invited.

Toronto

Friends of the University of Toronto are invited to S. F. Hilton's Ballrooms VII and IX, today from 6 to 8 for something—man didn't say what.

Iowa Alumni

University of Iowa alumni will hold a reception tonight, Wednesday, from 5 to 8 P.M. at the Fountain Room, Fairmont Hotel.



These charmers at Monday tea are (l-r) Mmes. Yves Jerome, C. Walton Lillehei, K. B. Wiancko, L. M. Zadeh and Pierre Grondin.

Stanford Biochemist Will Report Findings On DNA Synthesis, 1:30

Arthur C. Kornberg, professor and chairman of the department of biochemistry, Stanford University School of Medicine, will give the

I. S. Ravdin Lecture in the Basic Sciences this afternoon at 1:30 P.M. in the War Memorial Auditorium.

Dr. Kornberg will report on "Recent Findings in the Synthesis of DNA."

Dr. Kornberg, who holds an M.D. degree from the University of Rochester, was a co-recipient of the Nobel Prize in



Dr. Kornberg

medicine for 1959. He has served as professor and head of the department of microbiology, Washington University School of Medicine, St. Louis. From 1947 to 1952, he served as chief of section, enzymes and metabolism, at the National Institutes of Health, Bethesda.

In 1968 Dr. Kornberg received the Scientific Achievement Award of the American Medical Association and the Lucy Wortham James Award of the James Ewing Society. That same year he was named recipient of the Max Berg Award for Prolonging Human Life and the Borden Award of the American Association of Medical Colleges.

The Ravdin Lecture is named for the professor emeritus of surgery at the University of Pennsylvania and former president of the American College of Surgeons. It is sponsored by the Ravdin Surgical Society.



Mrs. Preston A. Wade joins (l-r) Angus D. McLachlin, London, Ont., and Allan D. McKenzie, Vancouver, in merriment evoked by President Wade's joke.



Darling Geraldine Torres takes in Mrs. Paul C. Samson as (l-r) A. Tangeo y Flores, Mrs. Luis F. Torres and Dr. Torres, all of Manila, take in Monday reception.

Telecast to Feature Kidney Transplant

Today a young woman will receive a kidney from her brother as surgeons from all over the world, assembled in Polk Hall, watch Samuel L. Kountz and Folkert O. Belzer perform this double operation on the 2 P.M. closed circuit telecast from the San Francisco General Hospital.

Arthur N. Thomas will repair a hiatus hernia at 10 A.M. His patient is a 48-year-old male with x-ray evidence of hiatus hernia which is symptomatic.

A spiral fracture of the fibula and a complete tear of the deltoid ligament necessitate the open reduction to be done at 3:30 P.M. by John F. Cowan. Dr. Cowan's patient is a 47-year-old Caucasian male who five days ago fell when he stepped from the bathtub and injured his left ankle.

X-ray shows what appears to be a benign break, which is sometimes treated by a short leg walking cast, explains Dr. Cowan, but stress films show that the patient also has a complete tear of the deltoid ligament.

Dr. Kountz's patient is a 22-year-old Negro woman first found to have renal disease in 1963 when asymptomatic pyelonephritis was discovered. Her disease gradually progressed until her admission at County Hospital in May of this year with renal failure, anasarca, papilledema, and congestive heart failure. During that admission she began chronic hemodialysis after insertion of a Scribner shunt.

Complicated Dialysis Period

The patient is unmarried and lives alone with a 3-year-old son. A program of home dialysis was not feasible so she was dialyzed three times weekly at the Northern California Dialysis Center at San Francisco County Hospital. This dialysis period was complicated with persistent hypertension and intermittent pericarditis but no difficulties with the Scribner cannula or other problems were encountered.

On September 16 she underwent an uncomplicated bilateral nephrectomy and splenectomy in preparation for renal transplantation. Pathological examination disclosed small end-stage kidneys consistent with chronic pyelonephritis. At the present time she has no evidence of peripheral neuropathy, metastatic calcification or other complications of renal disease, and is continuing on hemodialysis until transplantation, Dr. Kountz says.

The young woman comes from a large healthy family consisting of her parents and 13 siblings. The parents and seven siblings



DR. KOUNTZ

older than 21 comprised a group of nine related donors, all of whom volunteered for this transplantation and underwent tissue typing for optimum donor selection. A 25-year-old brother and the patient were found to have an identical match for 10 human leukocyte antigens (HLA 1 through 9, plus T11) using cytotoxicity techniques. Additionally, there was no cross-reaction between the recipient's serum and the donor's leukocytes or the leukocytes of 10 random donors. To date, this "A-match" based on antigenic identity has occurred in only seven other instances in the University of California series of 194 renal transplants.

Both the brother and his wife were anxious for him to act as donor, Dr. Kountz says, and pre-transplant evaluation found him to have good renal function and single renal arteries bilaterally.

Moderator at 2 P.M. will be John S. Najarian, Minneapolis, who was formerly at the University of California working on transplantation. Others known for their work in this field who will participate at this session are J. Hartwell Harrison, Boston; Thomas L. Marchioro, Seattle, and Joseph E. Murray, Boston.

The emergency patient who was F. William Blaisdell's concern on Tuesday's television program turned out to be a young musician who had been held up at 7 A.M. that morning and shot in the right chest in the third intercostal space along the anterior axillary line. The bullet made an upward track and was visualized in back of the neck.

Fellows' Annual Meeting

Thurs., Oct. 9, 1969

4 p.m.

Civic Auditorium, Main Arena
Initiates are Invited

College to Confer Four Honorary Fellowships at Thursday's Convocation

Four eminent surgeons from four widely distant parts of the world will become Honorary Fellows of the College at the Convocation tomorrow evening. The ceremony, an impressive College tradition, will commence at 8:30 p.m. in the Main Arena of the Civic Auditorium.

The four surgeons are: Ignacio Chavez, Guadalajara, Mexico; Jan Hendrik Louw, Cape Town, South Africa; Maurice R. Ewing, Melbourne, Australia; and Sir Frank Holdsworth, Sheffield, England.

Dr. Chavez is professor emeritus of surgery, at the University of Guadalajara. He received his medical education at that University and his surgical training in Paris, London, and Chicago. He joined the faculty of his alma mater in 1923, holding many professional chairs there. He served as dean of the medical school for six years.

Prof. Louw is chairman, department of surgery, University of Cape Town. A pioneer in the field of pediatric surgery, he is also chief of surgery at the Groote Schuur, Red Cross War Memorial Children's, and New Somerset Hospitals. He has been president of the College of Physicians and Surgeons of South Africa since 1962.

Edinburgh to Melbourne

Prof. Ewing, a Scotsman educated in Edinburgh, is the James Stewart professor of surgery at the University of Melbourne. Also, he is chief of surgery, Royal Melbourne Hospital, and consulting surgeon at the Prince Henry, Austin, and Royal Women's Hospitals. Prof. Ewing carried out the first kidney transplantation in Australasia in 1956, and has worked diligently to further the exchange of Australian-U.S. surgeons for training.

Sir Frank is consultant orthopedic surgeon, Royal Infirmary, Sheffield, England. For many years he has had a special interest in orthopedic surgery, with special emphasis on the management of trauma to the skeletal system. In 1955, his work on fracture and fracture-dislocation of the spine led to the establishment of the Sheffield Spinal Injuries Unit. He is chairman of the Royal College of Surgeons Committee on the Training of Surgeons.

Professors Louw and Ewing are Fellows of the College, as is Dr. Chavez. Sir Frank delivered the Scudder Oration on Trauma.

To Alton Ochsner, New Orleans, falls the honor of citing Dr. Chavez for Honorary Fellowship. C. Everett Koop, Philadelphia, will cite Prof. Louw; Francis D. Moore, Boston, will cite Prof. Ewing; and Edwin F. Cave, Boston, will cite Sir Frank.

Correction—It's Norton Co.

The Norton Co., Plastics and Synthetics Division, which has Booth 725 at the industrial exhibits, was erroneously listed as the "North Company." Please correct the error on page 156 of your *Program*.

Washington Again

Contrary to the information carried in yesterday's *C. C. News*, the Washington U. alumni party will not be held this evening at the Clift Hotel. The reason, according to Audrey Wingfield, is a simple one — unintentionally, the wrong day was given in the printed notice and the party is already an event of the past, having been held on Tuesday evening.